WARRANTY

If you have any problems with this tool, please call FPC Corporation toll-free at 1-800-860-3838 before returning it to the place of purchase.

FPC Corporation warrants this product to be free from defects in material and workmanship, under normal conditions of use and when used in accordance with FPC operating instructions, for a period of 90 days from the date of purchase by the user. Within the 90 day warranty FPC at its option shall repair or replace product. The product must be returned at the distributor/user expense, either within warranty or out. Repaired or replaced products will receive a 60 day warranty. USER MUST BE USING THE PROPER NAILS FOR THIS WARRANTY TO BE VALID. WARRANTY IS VOID IF INCORRECT TYPE OF NAILS ARE USED.

Visit us at surebonder.com for our full line of products

FPC Corporation - 355 Hollow Hill Drive - Wauconda, IL 60084
Phone: (847) 487- 4583 Fax: (847) 487-0174
website: www.surebonder.com e-mail: sales@surebonder.com

0312

SUREBONDER®

Model 9710 Pin Nailer

23 Gauge ½"-1-3/8" Pin Nailer

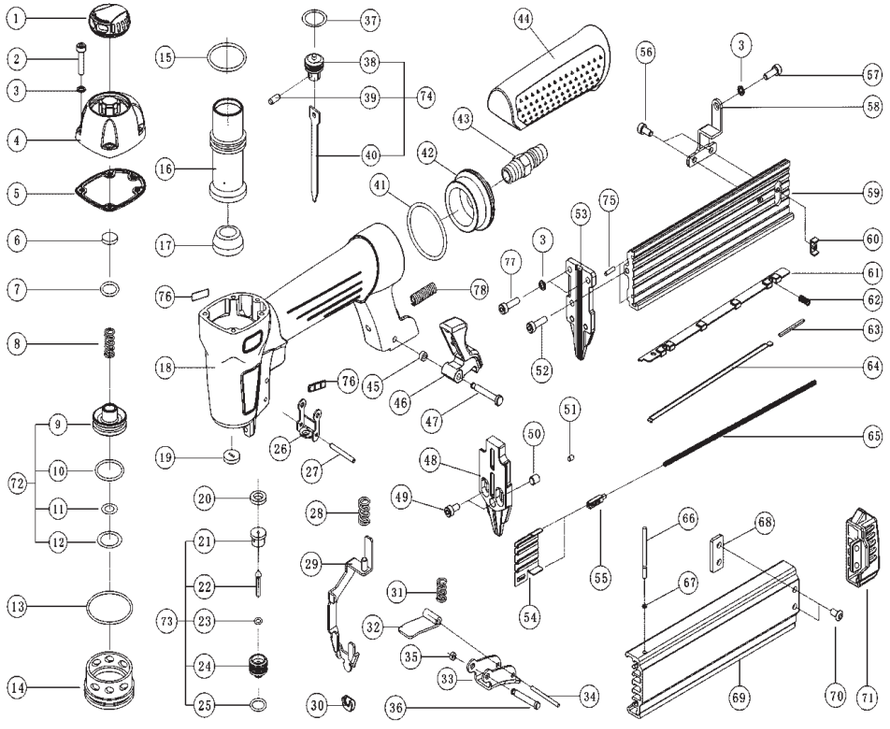
Includes: Allen wrench & oil

Pin Nails
1/2" thru 1-3/8"

23
Gauge

Operating Instructions

Read All Safety Rules and Instructions Carefully
Save this manual for Future Reference



9710 Micro Pin Nailer Part Identification

1. Exhaust valve
2. Screw 4*20
3. Washer #4*1.1t
4. Cylinder Cap
5. Gasket
6. Air Seal
7. "0" Ring 11.8*2.4
8. Spring
9. Firing Valve Piston
10. "0" Ring 21.8*2.4
11. "0" Ring 8* 3
12. "0" Ring 16* 3
13. "0" Ring 32*2.5
14. Collar
15. "0" Ring 22.4*2.65
16. Cylinder
17. Bumper
18. Body
19. Nozzle
20. Air Seal
21. Upper Remote Housing
22. Remote Core
23. "0" Ring 3.5*1.6
24. Remote Housing
25. "0" Ring 9.8* 1.9
26. Catch Guide Plate
27. Pin 2.5*22
28. Spring
29. Release Catch
30. Grip
31. Spring
32. Release Lade
33. Trigger
34. Pin 2.5*14
35. Ring 5.5*2
36. Pin
37. "0" Ring 14.8*2.4
38. Piston Head
39. Outer Spring Pin
40. Driver Blade
41. "0" Ring 29*3
42. Tall Cover
43. Air Plug
44. Grip
45. Ring ϕ 3.1*2.9
46. Click Lever
47. Step Pin
48. Driver Guide Cover
49. Screw 4*6
50. Ring
51. Magnet
52. Screw 4*16
53. Driver Guide
54. Pusher
55. Spring Holder
56. Screw 4*10
57. Screw 4*12
58. Magazine Support
59. Lower Mag
60. Stopper
61. Base Plate Nail Tank
62. Spring
63. Base Plate
64. Base Plate
65. Spring
66. Pin
67. "0" Ring 2.3-1.4
68. Click Lever
69. Upper Mag
70. Screw 4*10
71. Tall Cover
72. Firing Vave Piston Set
73. Trigger Valve Set
74. Piston Set
75 Spring Pin 2*11
76. Washer
77. Screw 4*14
78. Spring

Parts Kits (No other replacement parts available) To order parts go to: www. fastener-products .com

9710-400	**Seal Kit** Includes Numbers: 5, 6, 7, 10, 11, 13, 15, 17, 20, 23, 35, 37, 41, 67
9710-420	**Fastener Kit** Includes Numbers: 2, 3, 8, 19, 27, 28, 31, 34, 35, 36, 39, 45, 47, 49, 50, 51, 52, 56, 57, 62, 65, 66, 70, 75, 76, 77, 78
9710-410	**Drive Pin Kit** Includes Numbers: 38, 39, 40
9710-72	**Firing Valve Piston Set** Includes Numbers: 9,10,11,12
9710- 73	**Trigger Valve Set** Includes Numbers: 21, 22, 23, 24, 25

Troubleshooting

The following form lists the common operating system with problems and solutions. Please read the form carefully and follow it.

WARNING: If any of the following symptoms appear during your operation, stop using the tool immediately, or serious personal injury could result. Only a qualified person or an authorized service center can perform repairs or replacement of tool. Disconnect tool from air supply before attempting repair or adjustment. When replacing O-rings or cylinders, lubricate with air tool oil before assembly.

Problem	Check	Correction
Nailer operates but no nail is driven.	Check for jam	Clear a nail jam.
	Check feeder function	Clean and lubricate.
	Ribbon spring damaged or week?	Replace ribbon spring.
	Check for proper nails	Use correct nails.
Week drive. Slow to cycle.	Check air pressure	Increase air pressure. Do not exceed 120 psi.
		Use pneumatic oil.
	Drive blade worn?	Replace tool.
	Piston O-ring worn or damaged?	
Drives too deep.	Check air pressure.	Reduce air pressure 70-100 psi.
Skipping nails, Intermittent feed.	Check for proper nails.	Use only recommended nails.
	Check nail feeder function.	Clean and lubricate.
	Ribbon spring worn or damaged?	Replace ribbon spring.
		Use pneumatic oil.
	Piston O-ring cut or worn out?	Replace tool.
	Check for proper nails.	Use only recommended nails.
Nails jam, Driven nail is bent	Drive blade worn?	Replace tool.
Drives properly at normal speed but does not drive fully drive at faster nailing speed.	Check inside hose diameter.	Use larger air hose.

⚠ DANGER

Improper use of this nailer can result in death or serious injury.
This manual contains important information about product safety.
Read and understand this entire manual before operating this nailer

IMPORTANT SAFETY WARNINGS:

THE SAFETY WARNINGS BELOW CANNOT COVER ALL POSSIBLE SITUATIONS THAT MAY OCCUR. THESE BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO PROTECT AGAINST PERSONAL INJURY TO THE OPERATOR OR OTHER PERSONNEL IN THE AREA, AS WELL AS DAMAGE TO THE EQUIPMENT. READ AND UNDERSTAND THESE WARNINGS BEFORE USING EQUIPMENT.

Keep tool away from children, and DO NOT allow children near work area. Do not allow children or untrained personnel to handle this nailer.

DO NOT operate this nailer while tired, or under the influence of drugs, alcohol, or medication that makes you drowsy.

Never point the nailer at yourself or others - always assume that the nailer is loaded, and proceed with caution.

Wear safety glasses and ear protection. The nailer operator and all personnel in the work area must wear safety glasses that protect the front and side, to avoid eye injury. Ear plugs should be worn to avoid hearing damage.

If operator will be working in a situation where overhead work will be done (i.e. on a ladder, stairs, or scaffolding) a hard hat must be worn.

Never wear loose clothing or jewelry because it can get caught in the moving parts of this nailer. Make sure long hair is covered, To avoid getting it caught in nailer.

Keep the nailer pointed away from yourself and others at all times. Keep hands and all body parts away from rear area of nailer (near air hose) to guard against injury. Keep hands and feet away from firing head during use.

Keep proper balance and footing at all times - do not over-reach.

Never use oxygen, bottled gas or any type of combustible fuel as a power source - it can cause an explosion and serious injury.

Do not use near flammable liquids or gases - the stapler sparks During operation, and could cause an explosion and serious injury.

Use an air hose that will withstand at least 150 psi, OR 150% of the maximum pressure of the compressor.

Never connect this tool to compressed air if the pressure could exceed 200 psi, as the nailer could burst. Use only clean, dry, regulated compressed air, with pressure not exceeding 120 psi.

Do not use a non-relieving coupler with this nailer - if used, the nailer could remain charged with air after disconnecting, and would still be able to drive a nail even after being disconnected. The nailer and air hose must have a coupling so that all pressure is removed from the nailer when the coupling is disconnected.

Do not depress the trigger or safety mechanism while loading nails - accidental firing of a nail can occur. Keep your fingers away from the trigger when not firing nails. Always keep the nailer pointed downward during loading.

Do not use an air hose that is too long - nailer operator can trip over it. Make sure all connections are tight.

(Warnings continued next page)

IMPORTANT SAFETY WARNINGS: continued

Disconnect air hose from nailer:
before performing maintenance.
when clearing a jam.
when tool is not in use.
when moving it to another location.
when handing nailer to another person.

DO NOT place finger on trigger when disconnecting air hose - the nailer could fire when reconnected to the air supply.

Carry nailer by the handle only, not by the air hose.

Do not drive nails close to the edge of the workpiece. It could split, allowing a nail to fly or ricochet and causing personal injury. Do not try to drive nails at too steep an angle. Make sure nailer is held firmly during firing to minimize recoil.

Do not drive a nail into very hard material, thin material, or on top of an existing nail- the nail could ricochet, causing personal injury.

Never use the nailer if it is leaking air, the contact safety mechanism is not working, nailer has missing or damaged parts, or requires repair. Make sure all screws and caps are securely tightened.

Inspect the nailer before each use to insure that the trigger, safety mechanism, and spring are operating properly. Lock the nailer in a clean, dry storage area between uses.

Only use parts, nails, and accessories supplied or recommended by FPC Corporation. Unauthorized parts or fasteners can lead to malfunction and serious injury. Only personnel trained by FPC Corporation or the distributor shall repair the nailer. Do not modify this tool in any way.

Never use in presence of flammable liquids or gases. The nailer produces sparks during operation.

Never use the nailer in sites containing lacquer, paint, benzine, thinner, gasoline, gases, adhesive agents, and other materials which are combustible or explosive.

Check for live wires. Avoid the risk of electrical shock by checking for live wires that may be hidden by walls, floors, or ceilings. Turn off the breaker switch pertaining to that work area.

Do not store the nailer in a cold weather environment. Keep the nailer in a warm area until the start of work. If it is in a cold area, bring it in a warm area and allow it to warm up before use.

Manufacturer assumes no responsibility for consequential or indirect damages from the use of this product.

Save this manual and have it available for tool operators reference!

Mode of Operation

This nailer is equipped with a contact safety mechanism and does not operate unless the contact mechanism is depressed. There is only one method of operation to drive nails with this nailer.
- Intermittent operation (Trigger fire).
- Position the nail outlet on the workpiece with finger off the trigger.
- Depress the push lever firmly until it is completely depressed.
- Pull the trigger to drive a nail.
- Remove finger from the trigger.
- To drive another nail, move the nailer along the workpiece and repeat this procedure.

In order to avoid double fire:
- Do not push nailer on workpiece with strong force.
- Take nailer away from workpiece using recoil.
- Release trigger quickly when performing trigger fire.
- Do not drive nails into thin boards or near corners and edges of work piece.
- Nails can be driven through or away from workpiece and hit someone.
- Never drive nails from both sides of a wall at the same time. Nails can be driven into and through the wall and hit a person on the opposite side.
- Never use nailer which is defective or operating abnormally.
- Do not use nailer as a hammer.
- Disconnect air hose from nailer when performing maintenance:

MAINTENANCE

Lubrication

It is important that the nailer be properly lubricated. Without proper lubrication the nailer will not work properly and parts will wear prematurely. **Use pneumatic tool lubricant.** Do not use detergent oil or additives. These lubricants will harm the O-rings and other rubber parts. This will cause the nailer to malfunction. Filter-regulator-lubricator units should always be used. Keep the lubricator filled with pneumatic tool lubricant. **If a lubricator is unavailable supply 3-5 drops of pneumatic tool lubricant into the air plug on the nailer twice a day.**

Cold Weather Care

Do not store the nailer in a cold weather environment. If the nailer is cold bring the nailer into a warm area and allow to warm up before use. To warm the nailer: Reduce the air pressure to 40 psi (2.8bar 2.8kgf/cm^2). Remove all nails from the nailer. Connect the air hose and blank-fire the nailer. The lowered air pressure will be enough to blank-fire the nailer. Slow speed operation of the nailer tends to warm the moving parts.

Inspecting the magazine

Disconnect the air hose. Keep magazine and nose of tool clean and free of any dirt, lint or abrasive particles. Clean the magazine by removing plastic tips or wood chips which may have accumulated in the magazine. Lubricate it with pneumatic tool lubricant.

Storing

When not in use for an extended period of time apply a thin coat of pneumatic tool lubricant to the steel parts in order to avoid rust. Do not store the nailer in a cold weather environment. Keep the nailer in a warm and dry place.

Adjusting Air Pressure

⚠ WARNING

Do not exceed 120 psi. Adjust the air pressure at recommended operating pressure 70 to 120 psi according to the length of nails and the hardness of the workpiece.
The correct air pressure is the lowest pressure which will do the job. Using the Nailer at a higher then required air pressure unnecessarily over stresses the Nailer.

Testing The Nailer

⚠ DANGER

Operators and all others within the work area must wear safety glasses with side shields conforming to ANSI Z87.1 specifications.

ANSI Z87.1

Before actually using the nailer test the nailer using the checklist below.
Disconnect air hose connection from the nailer. Remove all nails for the nailer.

1) Pull the trigger and push the contact safety mechanism.
THE CONTACT SAFETY MECHANISM AND TRIGGER MUST MOVE FREELY.

2) Adjust the air pressure to 70 psi (4.9 bars 5 kgf/cm²).
Connect air hose.
DO NOT LOAD NAILS IN THE NAILER.
THE NAILER MUST NOT LEAK AIR.

3) Hold the Nailer downward without touching the workpiece with the contact safety mechanism. Pull and hold the trigger for 5 seconds or longer.
THE NAILER MUST NOT OPERATE.

4) Remove your finger from the trigger and press the contact safety mechanism to the workpiece.
THE NAILER MUST NOT OPERATE.

5) If no abnormal operation is observed, you may load nails in the Nailer. If abnormal operation occurs, stop using the nailer and contact the service center immediately.

Loading Nails

⚠ WARNING

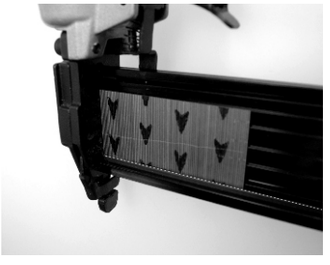
When loading nails into Nailer:
Disconnect tool from compressed air supply.
Do not depress trigger..
Keep Nailer pointed downward.

Loading Nails (continued)

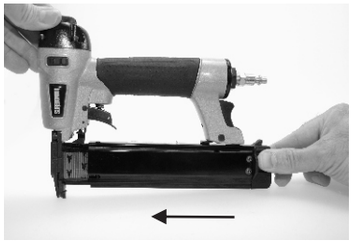
To load:
Nailer has easy drop-in side loading. To open: push in track release button and slide track backward. Drop strip of pin nails onto track magazine making sure that nails are flat against track. Nailer will not close if improperly loaded.. Push track closed until it locks into place

Push release button

Drop pin nails in

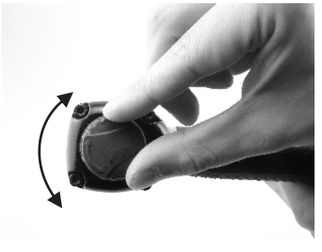


Load nails flat against track

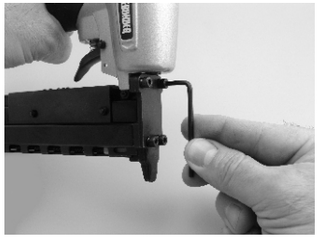


Push closed

To remove fasteners: Push release button and slide track backward. Remove nails.



Exhaust Deflector
Exhaust deflector can be positioned to point in any 360° direction. Reposition deflector by grasping firmly and rotating to the desired position.



Jam Clearing
Disconnect air supply. Push track release button and remove nails. Unscrew 4 nosepiece screws to release nosepiece. Clear jam. Replace nosepiece and replace 4 nosepiece screws.

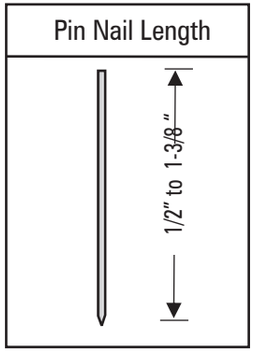
OPERATION

SPECIFICATIONS

Overall Dimensions:	9.50" x 7.75" x 1.75"
Capacity:	100 Pin nails
Nail Length:	1/2" -1-3/8" Pin nails
Nail size:	23 Gauge
Operating Pressure:	60 - 100 SI (4-7 bar)
Air Inlet Size:	1/4" N.P.T
Weight of Tool:	2.05 lbs.

NAIL SELECTION

23 Gauge 1/2"-1-3/8" Pin Nails



APPLICATIONS

Including but not limited to: Finish / Trimwork, Cabinets, Molding, Furniture Making & Picture Frames

FEATURES

- Lightweight Housing

- Adjustable Exhaust

- Soft Grip Handle Reduces Fatigue

⚠ DANGER

NEVER use oxygen or other bottled gases. Explosion may occur.

This nailer is designed to operate on clean, dry, regulated compressed air, between 70 and 100 psi. It is preferable to include an air filter, pressure regulator, and automatic oiler within 15 feet of the tool, if possible.

An air filter is needed to remove contaminates and moisture that are contained in compressed air; filtering will significantly prolong the life of the tool. **If an automatic oiler is not installed, place 3-5 drops of oil into the tool's air inlet twice a day.** Do not install a quick coupler directly into the tool. Higher pressure drastically reduces tool life.

The nailer comes factory-equipped with a male quick connector. The nailer must always be connected to the air supply with a coupling that removes all pressure when it is disconnected.

NOTE: all components used with this nailer (air hose, connectors, regulators, filters, etc) must be rated at 120 psi, OR 120% of the maximum compressor potential, whichever is higher. Do not connect this nailer to a system with maximum potential air pressure greater than 200 psi.

AIR CONNECTION SET UP